

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 – 19 Canceled

20. (New) A delivery system for controlled dispensing of a substance, the system comprising:  
a cartridge having at least two compartments for storing material components that may be mixed to form a substance;  
a plunger having at least two pistons for advancing the material components in the at least two compartments;  
and  
a lever and a geared connection rod for providing controlled dispensing of the substance.
21. (New) The delivery system according to claim 20, comprising a self-opening closure system which seals the front ends of the compartments and opens when the plunger is advanced.
22. (New) The delivery system according to claim 20, wherein the lever is integrally formed with at least a part of the cartridge.
23. (New) The delivery system according to claim 22, wherein the lever and a pawl are adapted to reset to their original positions after each activation without the presence of additional springs.
24. (New) The delivery system according to claim 20, wherein the geared connection rod is integrally formed with the plunger.
25. (New) The delivery system according to claim 20, comprising a blocking member which restricts upward movement of the lever.

26. (New) The delivery system according to claim 20, further comprising a reinforcement member for hindering possible backlash movement of the connection rod, wherein a pawl is adapted to lift the reinforcement member and thereby release the connection rod.
27. (New) The delivery system according to claim 20, further comprising a reservoir for receiving the mixed substance.
28. (New) The delivery system according to claim 27, wherein the reservoir comprises a sleeve which is movable over the exterior surface of the cartridge and a cavity for receiving the substance exiting the cartridge, the cavity being formed by the interior surface of the sleeve and the exterior surface of the cartridge.
29. (New) The delivery system according to claims 27 or 28, wherein the lever is attached to the sleeve, and a pawl engages with the so that upon each push of the lever, the cartridge is caused to move forward toward the cavity thereby providing controlled dispensing of the substance.
30. (New) The delivery system according to claim 27, wherein by pressing the lever, a pawl engages with the connecting rod and thereby activates a plunger, and a piston is moved forward into the reservoir.
31. (New) The delivery system of claim 20, wherein the cartridge comprises an actuator part and a material receptacle having at least two compartments for storing material components, the material receptacle being separable from the actuator part.
32. (New) The delivery system according to claim 20, further comprising a brush.
33. (New) The system according to claim 20, further comprising at least one of the following materials: enzyme-containing compositions; dental primers; bondings; etching

gel/liquids; varnishes; glue, pharmaceuticals, liquids or gels; a substance for the treatment or prevention or identification of caries; a substance for the prevention or identification or removal of plaque; a substance for root canal treatment; a substance for the removal of carious or decayed or infected dentine or enamel and/or a substance for the removal of denaturated dentine.

34. (New) Kit with a system according to claim 33, further comprising at least one of the following members: a dental instrument; a disposable cartridge; a glove or a bonding or etching agent.